Carbyne’s Approach to Successful ELS Delivery

May 2021
Carbyne is a global leader in Emergency Collaboration for 112/911 services

Deployed with > 80 agencies worldwide, some of the biggest PSAP's in the world

Patented Technology

Cloud-Native deployment

Google ELS partner since 2018

Processing > 12,000,000 ELS location updates per month

Vast experience with opening new challenging territories for ELS

Extensive experience resolving MNO issues
Working Protocols

Step 1: Do your homework!

Step 2: Extensive Testing

Step 3: Performance analysis, pre-deployment

Step 4: Set Communication Plan

Step 5: Action plan:
- End User
- MNO's
- Google

Step 6: Limited Launch (POC)

Step 7: Validate expected results

Step 8: Official Launch
Advanced Mobile Location Readiness Assessment Tool

Last Updated: May 11, 2020

Country: ____________
Date: ____________
Completed by (Name and affiliation): ____________

Purpose: The following document provides background on emergency services and telecommunications infrastructure in the country to assess the overall readiness of the country for Advanced Mobile Location (AML) services from Carbyne to enable a structured preparation for the deployment of a pilot program and then a full implementation.
Technical Evaluation

<table>
<thead>
<tr>
<th>ELS (Data) Only</th>
<th>Data SMS</th>
<th>Text SMS</th>
<th>CC Loc</th>
<th>CC Vid</th>
<th>CC Chat</th>
<th>No Info</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Car 1</td>
<td>25%</td>
<td>40%</td>
<td>13%</td>
<td>6%</td>
<td>5%</td>
<td>5%</td>
<td>6%</td>
</tr>
<tr>
<td>Car 2</td>
<td>13%</td>
<td>36%</td>
<td>14%</td>
<td>6%</td>
<td>6%</td>
<td>4%</td>
<td>21%</td>
</tr>
<tr>
<td>Car 3</td>
<td>10%</td>
<td>54%</td>
<td>14%</td>
<td>5%</td>
<td>5%</td>
<td>3%</td>
<td>9%</td>
</tr>
<tr>
<td>Car 4</td>
<td>19%</td>
<td>34%</td>
<td>13%</td>
<td>4%</td>
<td>4%</td>
<td>4%</td>
<td>22%</td>
</tr>
</tbody>
</table>

Path Performance (By Carrier)
Deep Analytics

Location Updates and Unique Calls

Carrier Distribution by Source Type

Phone number availability by Carriers and Source Type

Distribution of Accuracy

Difference in seconds between the call initiation time and time the location arrived to the gateway.
Thank You

For more information please contact: 
Eyal Oron - eyalo@carbyne911.com